REMARKS

Claims 1, 2, 4, 5, 8-18, 20 and 22 are pending in the subject application and currently under consideration. Claims 19 and 21 have been cancelled herein without prejudice. Claims 1, 8, 12, 18, 20 and 22 have been amended. The title has been changed to more accurately describe the present invention. A clean version of all pending claims and amendments is found at pages 2-5. A marked version showing the changes can be found at pages 8-10. Favorable reconsideration of the subject application is respectfully requested in view of the comments and amendments herein.

Applicant respectfully thanks the Examiner for the courtesies extended at the telephone interview conducted on 9/26/01, and for the Examiner's comments relating to the subject invention, speech recognition technology in general, and differences with other technology.

I. Rejection of Claims 1, 2, 4, 5, 8-18, 20 and 22 under 35 U.S.C. §103(a)

Claims 1, 2, 4, 5, 8-18, 20 and 22 stand rejected under 35 U.S.C. §103(a) as being unpatenable over Barclay *et al.* (5,960,399). Withdrawal of this rejection is respectfully requested for at least the following reasons.

Independent claims 1, 12, 18, 20 and 22, as amended, recite a dictionary file having ***phonemes*** and a syntax file having allowable patterns of words being content specific to a graphical display file. This mitigates having to store phonetic data and word patterns at a remote device in order to decode patterns of speech relating to the graphical display file. As a result, the speed and accuracy of the present invention are substantially improved over conventional systems along with mitigating memory storage requirements of the remote device.

Barclay *et al.* does not teach or suggest communicating a dictionary file having phonemes. Rather, Barclay *et al.* discusses a technology referred to as SAM that enables smart WEB pages having downloadable grammar that is specific to syntax (*e.g.*, ***words and phrases***) to be executed on a client machine. Assuming *arguendo* decoding mechanisms, such as phonemes, are theoretically employed to reconstruct or decode spoken words and phrases at the client machine (Note: not taught or suggested in Barclay), these decoding mechanisms would necessarily have to be stored on the client machine before speech recognition could take place. Moreover, a plurality of such decoding mechanisms would have to be stored at the client machine to generally process all the possible words received from WEB pages developed by various individuals (*e.g.*, different WEB pages would

necessarily employ different words thus requiring more storage to handle and decode the variability). However, having to store decoding data beyond that required for any particular WEB page at the client machine in order to perform speech decoding necessarily implies a teaching away from the benefits of the present invention which is to mitigate the amount of storage required at the remote device. Therefore, Barclay *et al.* does not make obvious the present invention as recited in the claims and withdrawal of this rejection is respectfully requested.

II. Conclusion

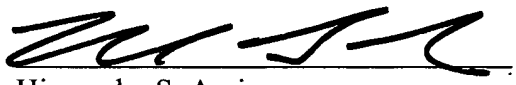
The present application is believed to be in condition for allowance in view of the above amendments and comments.

If any fees are due in connection with this document, the Commissioner is authorized to charge those fees to Deposit Account No. 50-1063.

Should the Examiner believe a telephone interview would be helpful to expedite favorable prosecution, the Examiner is invited to contact applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,

AMIN & TUROCY, LLP



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VERSION WITH MARKINGS TO SHOW CHANGES

In the Title:

Please replace the title with the following:

--Speech Recognition System to Mitigate Memory and Processing Requirements in a Remote Device--

In the Claims:

Please amend claims 1, 8, 12, 18, 20 and 22 as follows:

1. (Four Times Amended) A speech recognition system, comprising:

a host computer, the host computer operative to communicate at least one graphical user interface (GUI) display file to a mobile terminal, the GUI display file having attached thereto at least one of a dictionary file having phonemes and syntax file having allowable patterns of words to facilitate speech recognition, wherein the at least one of a dictionary file and syntax file are content specific to the GUI display file;

the mobile terminal including a microphone for receiving speech input; and

wherein the mobile terminal employs the at least one of a dictionary file and syntax file to facilitate speech recognition in connection with the at least one GUI display file.

8. (Amended) The system of claim 1, wherein the mobile terminal maps sequences of the phonemes to operator instructions *via* the dictionary file and syntax file.

12. (Four Times Amended) A mobile terminal having speech recognition capabilities, comprising:

a processor;

a display operatively coupled to the processor, the display adapted to display at least one graphical user interface (GUI);

a speech recognition system for identifying speech commands from a user, the speech recognition system operative to employ at least one of a dictionary file having phonemes and a syntax file having allowable patterns of words attached with at least one GUI file to map sequences of the phonemes to operator instructions, the at least one of a dictionary file and a syntax file being content specific to the at least one GUI file, the at least one GUI file received from a location remote to the mobile terminal; and

wherein the scope of speech recognition associated with the dictionary file and syntax file are focused to recognizing utterances which correspond to valid inputs to the at least one graphical user interface file so as to minimize data processing requirements of the mobile terminal.

18. (Four Times Amended) A method for facilitating speech recognition associated with a graphical user interface (GUI), comprising the steps of:

[using] receiving at least one GUI display file of a plurality of GUI display files from a remote location to input commands to a unit, the unit adapted to receive input commands *via* speech;

[using] receiving a dictionary file having phonemes and a syntax file having allowable patterns of words in connection with the at least one GUI display file, the dictionary file and the syntax file being content specific to the at least one GUI display file, including reference data corresponding to commands that may be input to the unit via speech; and

wherein the reference data facilitates speech recognition in connection with the at least one GUI file.

20. (Three Times Amended) A remote client computer operative to receive a graphical user interface (GUI) file from a remote host computer, the GUI file including display data for prompting a user to input at least one of a command and data, the GUI file further including utterance recognition data, the utterance recognition data including a dictionary file having phonemes and a syntax file having allowable patterns of words in connection with the GUI file, wherein the utterance recognition data is content specific to the GUI file and facilitates speech recognition of a limited quantity of utterances associated with a limited set of commands and inputs that can be input to a display generated from the GUI file.

22. (Four Times Amended) A data collection network comprising:

a host computer operating a first data collection application manipulating data received from a plurality of mobile computing devices; and

a mobile computing device operating a second data collection application generating a plurality of graphical display contexts prompting a user data input and associating with each graphical display context at least one of a dictionary file having phonemes and a syntax file having allowable patterns of words, the at least one dictionary file and syntax file including reference data corresponding to at least one of a limited permutation of data and commands which may be input via speech in each context, [and transmitting data] the mobile computing device transmits the data to the host, wherein the at least one of a dictionary file and a syntax file are received from the host computer and are content specific to the graphical display context.